Subject Index

Acrylic particles implanted in animal muscle, tissue response to, 213
Acrylic resin, autopolymerizing dental, loss into water of residual monomer from, 155
Aluminium, observations with lead, copper, nickel, and cobalt, SEM of metal-tissue interface, 165
p-amino salicylic acid — oxidized cellulose system: a model for long term drug delivery, 97
Antithrombic activity of some polysaccharide resins, 221
Artificial bioconstructions as behavioural systems, 52
Behavioural systems, artificial bioconstructions as, 52
Biocompatibility screening of poly(vinyl chloride) implants, 109
Biodegradation studies on periodate oxidized cellulose, 16
Biomaterials research in neural prostheses, 187
Biomechanical stress analysis of the human femur, a critical review of the, 2
Biomedical applications of magnetic fluids. III. Antitumour effect of magnetic albumin microsphere-entrapped adriamycin on lung metastasis of AH 7974 in rats, 181
Biomedical applications of plasma polymerization and plasma treatment of polymer surfaces, 68
Carbon fibre acrylic bone cement, stress relaxation and creep behaviour of normal and, 93
Carbon fibre patch as a hernia prosthesis material, experimental study of the use of a, 199
Carbon fibre, repair of osteochondral defects in osteoarthritic rabbit knees by the use of, 81
Cellulose, oxidized, *p*-amino salicylic acid, a model for long term drug delivery, 97
Cellulose, periodate oxidized, biodegradation studies on, 16
Cement, carbon fibre acrylic bone, stress relaxation and creep behaviour of normal and, 93
Cements, silicate, dissolution rates of, 136
Chitin, lysozyme degradation of partially deacetylated, its films and hydrogels, 105
Chymotrypsin, hydrophilic gels cleavable by, polymers containing enzymatically degradable bonds, 150
Cobalt, observations with lead, copper, nickel, aluminium, SEM of the metal-tissue interface, 165
Cohesion, specific molar, solubility parameter, and the solubility of ethylene oxide in polymers, 195
Collagen implants, dermal, 38
Colour stability of two self curing denture base materials, 249
Compatibility of denture cleansers with some new self curing denture base materials, 251
Copper, observations with lead, nickel, aluminium and cobalt, SEM of the metal-tissue interface, 165
Corrosion in Ni-Cr dental alloys, electrochemical study of, 209
Corrosion of the Harrington's instrumentation and biological behaviour of the rod–human spine system, 246
Creep behaviour, stress relaxation and, of normal and carbon fibre acrylic bone cement, 93
Critical review of the biomechanical stress analysis of the human femur, 2
Degradable bonds, enzymatically, polymers containing, VI. Hydrophilic gels cleavable by chymotrypsin, 150
Degradative effects of conventional steam sterilization on biomaterials surfaces, 241
Dental acrylic resin, autopolymerizating, loss into water of residual monomer from, 155
Dental alloys, Ni–Cr, electrochemical study of corrosion in, 209
Dental amalgam, tensile creep of, 101
Dental polyelectrolyte cements. I. Chemistry of the early stages of the setting reaction, 232
Denture base materials, colour stability of two self curing, 249
Denture base materials, compatibility of denture cleansers with some new self curing, 251
Dentures, measurement of strain rate behaviour in complete mandibular, 87
Dermal collagen implants, 38
Drug delivery, *p*-amino salicylic acid — oxidized cellulose system: a model for long term, 97
Drugs, modelling of sustained release of water-soluble, from porous hydrophobic polymers, 27
Effect of microphase separated structure of polystyrene/polyamine graft copolymer on adhering rat platelets in vitro, 237
Electrochemical study of corrosion in Ni–Cr dental alloys, 209
Enzymatically degradable bonds, polymers containing, VI. Hydrophilic gels cleavable by chymotrypsin, 150
Ethylene oxide in polymers, solubility parameter, specific molar cohesion and the solubility of, 195
Experimental study of the use of a carbon fibre patch as a hernia prosthesis material, 199
Extracorporeal circulation, platelets and, 9
Femur, human, a critical review of the biomechanical stress analysis of the, 2
Fixation methods and interpretation of results, scanning electron microscopy of the metal-tissue interface, 160
Formaldehyde on the mechanical behaviour of bovine pericardium, a study of the effects of glutaraldehyde and, 21
Glutaraldehyde and formaldehyde, a study of the effects of, on the mechanical behaviour of bovine pericardium, 21
Harrington's instrumentation and biological behaviour of the rod-human spine system, corrosion of the, 246
Heparin-complexing poly(amido amine) chains, preparation and ESCA characterization of poly(vinyl chloride) surface-grafted with, 33
Heparinized poly(organophosphazene) synthesis of a, 78
Hernia prosthesis material, experimental study of the use of a carbon fibre patch as a, 199
Hip replacement, total, past, present and future, 130
Hydrogels, lysozyme degradation of partially deacetylated chitin, its films and, 105
Hydrophilic gels cleavable by chymotrypsin, polymers containing enzymatically degradable bonds, 150
Hydroxyapatite-based rolled sections, the processing of, 117
Infections, effect of, on the degradation of polyethylene terephthalate implants, 177
In vivo release of testosterone from protein-vinyl polymer composites, 204
Lead, observations with copper, nickel, aluminium and cobalt, SEM of the metal-tissue interface, 165
Loss into water of residual monomer from autopolymerizing dental acrylic resin, 155
Lysozyme degradation of partially deacetylated chitin, its films and hydrogels, 105
Magnetic fluids, biomedical applications of, antitumour effect of magnetic albumin microsphere-entrapped adriamycin on lung metastasis of AH 7974 in rats, 181
Measurement of strain rate behaviour in complete mandibular dentures, 87
Metal-tissue interface, scanning electron microscopy of the, fixation methods and interpretation of results, 160
observations with lead, copper, nickel, aluminium and cobalt, 165
Microporous flow surface variation and short term thrombogenicity in dogs, 145
Microsphere-entrapped adriamycin, antitumour effect of magnetic albumin, on lung metastasis of AH 7974 in rats, biomedical applications of magnetic fluids, 181
Neural prostheses, biomaterials research in, 187
Nickel, observations with lead, copper, aluminium and cobalt, SEM of the metal-tissue interface, 165
Osteochondral defects in osteoarthritic rabbit knees by the use of carbon fibre, repair of, 81
Pacemaker leads, implantable, polyether polyurethanes for, 225
Pericardium, bovine, a study of the effects of glutaraldehyde and formaldehyde on the mechanical behaviour of, 21
Pin-on-disc machine, wear studies on prosthetic materials using the, 41
Plasma polymerization and plasma treatment of polymer surfaces, biomedical applications of, 68
Platelets, adhering rat, in vitro, effect of microphase separated structure of polystyrene/polyamine graft copolymer on, 237
Platelets and extracorporeal circulation, 9
Poly(amido amine) chains, heparin-complexing, preparation and ESCA characterization of poly(vinyl chloride) surface-grafted with, 33
Polyelectrolyte cements, dental, I. Chemistry of the early stages of the setting reaction, 232
Polyether polyurethanes for implantable pacemaker leads, 225
Polyethylene terephthalate implants, effects of infections on the degradation of, 177
Polyethylene, ultra-high molecular weight, characterization of, 49
Poly(organophosphazene), synthesis of a heparinized, 78
Polysaccharide resins, antithrombic activity of some, 221
Polystyrene/polyamine graft copolymer on adhering rat platelets in vitro, effect of microphase separated structure of, 237
Poly(vinyl chloride) implants, biocompatibility screening of, 109
Poly(vinyl chloride) surface-grafted with heparin-complexing poly (amido amine) chains, preparation and ESCA characterization of, 33
Porous hydrophobic polymers, modelling of sustained release of water-soluble drugs from, 27

Subject Index

Acrylic particles implanted in animal muscle, tissue response to, 213
Acrylic resin, autopolymerizing dental, loss into water of residual monomer from, 155
Aluminium, observations with lead, copper, nickel, and cobalt, SEM of metal-tissue interface, 165
p-amino salicylic acid — oxidized cellulose system: a model for long term drug delivery, 97
Antithrombic activity of some polysaccharide resins, 221
Artificial bioconstructions as behavioural systems, 52
Behavioural systems, artificial bioconstructions as, 52
Biocompatibility screening of poly(vinyl chloride) implants, 109
Biodegradation studies on periodate oxidized cellulose, 16
Biomaterials research in neural prostheses, 187
Biomechanical stress analysis of the human femur, a critical review of the, 2
Biomedical applications of magnetic fluids. III. Antitumour effect of magnetic albumin microsphere-entrapped adriamycin on lung metastasis of AH 7974 in rats, 181
Biomedical applications of plasma polymerization and plasma treatment of polymer surfaces, 68
Carbon fibre acrylic bone cement, stress relaxation and creep behaviour of normal and, 93
Carbon fibre patch as a hernia prosthesis material, experimental study of the use of a, 199
Carbon fibre, repair of osteochondral defects in osteoarthritic rabbit knees by the use of, 81
Cellulose, oxidized, *p*-amino salicylic acid, a model for long term drug delivery, 97
Cellulose, periodate oxidized, biodegradation studies on, 16
Cement, carbon fibre acrylic bone, stress relaxation and creep behaviour of normal and, 93
Cements, silicate, dissolution rates of, 136
Chitin, lysozyme degradation of partially deacetylated, its films and hydrogels, 105
Chymotrypsin, hydrophilic gels cleavable by, polymers containing enzymatically degradable bonds, 150
Cobalt, observations with lead, copper, nickel, aluminium, SEM of the metal-tissue interface, 165
Cohesion, specific molar, solubility parameter, and the solubility of ethylene oxide in polymers, 195
Collagen implants, dermal, 38
Colour stability of two self curing denture base materials, 249
Compatibility of denture cleansers with some new self curing denture base materials, 251
Copper, observations with lead, nickel, aluminium and cobalt, SEM of the metal-tissue interface, 165
Corrosion in Ni-Cr dental alloys, electrochemical study of, 209
Corrosion of the Harrington's instrumentation and biological behaviour of the rod–human spine system, 246
Creep behaviour, stress relaxation and, of normal and carbon fibre acrylic bone cement, 93
Critical review of the biomechanical stress analysis of the human femur, 2
Degradable bonds, enzymatically, polymers containing, VI. Hydrophilic gels cleavable by chymotrypsin, 150
Degradative effects of conventional steam sterilization on biomaterials surfaces, 241
Dental acrylic resin, autopolymerizating, loss into water of residual monomer from, 155
Dental alloys, Ni–Cr, electrochemical study of corrosion in, 209
Dental amalgam, tensile creep of, 101
Dental polyelectrolyte cements. I. Chemistry of the early stages of the setting reaction, 232
Denture base materials, colour stability of two self curing, 249
Denture base materials, compatibility of denture cleansers with some new self curing, 251
Dentures, measurement of strain rate behaviour in complete mandibular, 87
Dermal collagen implants, 38
Drug delivery, *p*-amino salicylic acid — oxidized cellulose system: a model for long term, 97
Drugs, modelling of sustained release of water-soluble, from porous hydrophobic polymers, 27
Effect of microphase separated structure of polystyrene/polyamine graft copolymer on adhering rat platelets in vitro, 237
Electrochemical study of corrosion in Ni–Cr dental alloys, 209
Enzymatically degradable bonds, polymers containing, VI. Hydrophilic gels cleavable by chymotrypsin, 150
Ethylene oxide in polymers, solubility parameter, specific molar cohesion and the solubility of, 195
Experimental study of the use of a carbon fibre patch as a hernia prosthesis material, 199
Extracorporeal circulation, platelets and, 9
Femur, human, a critical review of the biomechanical stress analysis of the, 2
Fixation methods and interpretation of results, scanning electron microscopy of the metal-tissue interface, 160
Formaldehyde on the mechanical behaviour of bovine pericardium, a study of the effects of glutaraldehyde and, 21
Glutaraldehyde and formaldehyde, a study of the effects of, on the mechanical behaviour of bovine pericardium, 21
Harrington's instrumentation and biological behaviour of the rod-human spine system, corrosion of the, 246
Heparin-complexing poly(amido amine) chains, preparation and ESCA characterization of poly(vinyl chloride) surface-grafted with, 33
Heparinized poly(organophosphazene) synthesis of a, 78
Hernia prosthesis material, experimental study of the use of a carbon fibre patch as a, 199
Hip replacement, total, past, present and future, 130
Hydrogels, lysozyme degradation of partially deacetylated chitin, its films and, 105
Hydrophilic gels cleavable by chymotrypsin, polymers containing enzymatically degradable bonds, 150
Hydroxyapatite-based rolled sections, the processing of, 117
Infections, effect of, on the degradation of polyethylene terephthalate implants, 177
In vivo release of testosterone from protein-vinyl polymer composites, 204
Lead, observations with copper, nickel, aluminium and cobalt, SEM of the metal-tissue interface, 165
Loss into water of residual monomer from autopolymerizing dental acrylic resin, 155
Lysozyme degradation of partially deacetylated chitin, its films and hydrogels, 105
Magnetic fluids, biomedical applications of, antitumour effect of magnetic albumin microsphere-entrapped adriamycin on lung metastasis of AH 7974 in rats, 181
Measurement of strain rate behaviour in complete mandibular dentures, 87
Metal-tissue interface, scanning electron microscopy of the, fixation methods and interpretation of results, 160
observations with lead, copper, nickel, aluminium and cobalt, 165
Microporous flow surface variation and short term thrombogenicity in dogs, 145
Microsphere-entrapped adriamycin, antitumour effect of magnetic albumin, on lung metastasis of AH 7974 in rats, biomedical applications of magnetic fluids, 181
Neural prostheses, biomaterials research in, 187
Nickel, observations with lead, copper, aluminium and cobalt, SEM of the metal-tissue interface, 165
Osteochondral defects in osteoarthritic rabbit knees by the use of carbon fibre, repair of, 81
Pacemaker leads, implantable, polyether polyurethanes for, 225
Pericardium, bovine, a study of the effects of glutaraldehyde and formaldehyde on the mechanical behaviour of, 21
Pin-on-disc machine, wear studies on prosthetic materials using the, 41
Plasma polymerization and plasma treatment of polymer surfaces, biomedical applications of, 68
Platelets, adhering rat, in vitro, effect of microphase separated structure of polystyrene/polyamine graft copolymer on, 237
Platelets and extracorporeal circulation, 9
Poly(amido amine) chains, heparin-complexing, preparation and ESCA characterization of poly(vinyl chloride) surface-grafted with, 33
Polyelectrolyte cements, dental, I. Chemistry of the early stages of the setting reaction, 232
Polyether polyurethanes for implantable pacemaker leads, 225
Polyethylene terephthalate implants, effects of infections on the degradation of, 177
Polyethylene, ultra-high molecular weight, characterization of, 49
Poly(organophosphazene), synthesis of a heparinized, 78
Polysaccharide resins, antithrombic activity of some, 221
Polystyrene/polyamine graft copolymer on adhering rat platelets in vitro, effect of microphase separated structure of, 237
Poly(vinyl chloride) implants, biocompatibility screening of, 109
Poly(vinyl chloride) surface-grafted with heparin-complexing poly (amido amine) chains, preparation and ESCA characterization of, 33
Porous hydrophobic polymers, modelling of sustained release of water-soluble drugs from, 27

Preparation and some properties of sintered whitlockite, 113
Processing of hydroxyapatite-based rolled sections, 117
Prosthetic materials, wear studies on, using the pin-on-disc machine, 41
Protein-vinyl polymer composites, in vivo release of testosterone from, 204
Repair of osteochondral defects in osteoarthritic rabbit knees by the use of carbon fibre, 81
Scanning electron microscopy of the metal-tissue interface. I. Fixation methods and interpretation of results, 160. II. Observations with lead, copper, nickel, aluminium and cobalt, 165
Silicate cements, dissolution rates of, 136
Sintered whitlockite, preparation and some properties of, 113
Solubility parameter, specific molar cohesion and the solubility of ethylene oxide in polymers, 195
Spine system, human corrosion of the Harrington's instrumentation and biological behaviour of the rod, 246
Sterilization, conventional steam, degradative effects of, on biomaterials surfaces, 241
Strain rate behaviour in complete mandibular dentures, measurement of, 87
Stress relaxation and creep behaviour of normal and carbon fibre acrylic bone cement, 93
Surfaces, polymer, biomedical applications of plasma polymerization and plasma treatment of, 68
Sustained release of water-soluble drugs from porous hydrophobic polymers, modelling of, 27
Synthesis of a heparinized poly(organophosphazene), 78
Tensile creep of dental amalgam, 101
Testosterone, in vivo release of, from protein-vinyl polymer composites, 204
Thrombogenicity, short term, in dogs, microporous flow surface variation and, 145
Tissue response to acrylic particles implanted in animal muscle, 213
Total hip replacement — past, present and future, 130
Ultra-high molecular weight polyethylene, characterization of, 49
Wear studies on prosthetic materials using the pin-on-disc machine, 41
Whitlockite, sintered, preparation and some properties of, 113

Author Index

Addonizio, V. Paul and Colman, Robert W.: Platelets and extracorporeal circulation, 9
Ahmad, R., Bates, J.F. and Lewis, T.T.: Measurement of strain rate behaviour in complete mandibular dentures, 87
Akers, C.K., *see* Baier, R.E., Meyer, A.E., Akers, C.K., Natiella, J.R., Meenaghan, M. and Careter, J.M.
Allcock, Harry R., *see*: Neenan, Thomas X. and Allcock, Harry R.
Amin, W.M., *see* Purnaveja, S., Fletcher, A.M., Ritchie, G.M., Amin, W.M., Moradians, S. and Dodd, A.W.
Asano, M., *see*: Yoshida, M., Asano, M., Kaetsu, I., Nakai, K., Yamanaka, H., Suzuki, T., Shida, K. and Suzuki, K.
Aubert, N., *see:* Mauzac, M., Aubert, N. and Josefonvicz, J.
Aulisa, L., di Benedetto, A., Vinciquerra, A., Lorini, G. and Tranquilli-Leali, P.: Corrosion of the Harrington's instrumentation and biological behaviour of the rod-human spine system 246
Baier, R.E., Meyer, A.E., Akers, C.K., Natiella, J.R., Meenaghan, M. and Careter, J.M.: Degradative effects of conventional steam sterilization on biomaterials surfaces 241
Bala, Kiran, Guha, S.K. and Vasudevan, Padma: *p*-amino salicylic acid — oxidized cellulose system: a model for long term drug delivery, 97
Barbucci, R., *see*: Ferruti, P., Barbucci, R., Danzo, N., Torrisi, A., Puglisi, O., Pignataro, S. and Spartano, P.
Barker, A.T., *see*: van Noort, R., Yates, S.P., Martin, T.R.P., Barker, A.T. and Black, M.M.
Barker, H., *see*: Oliver, R.F., Barker, H., Cooke, A. and Grant, R.A.
Baril, J.D., *see*: Gdoutos, E.E., Raftopoulos, D.D. and Baril, J.D.
Bates, J.F., *see*: Ahmad, R., Bates, J.F. and Lewis, T.T.
Black, M.M., *see*: van Noort, R., Yates, S.P., Martin, T.R.P., Barker, A.T. and Black, M.M.
Bosco, Philip, *see*: White, Rodney A., Shors, Edwin, Miranda, Rodrigo M., Klein, Stanley R., Goldberg, Lise, Bosco, Philip and Nelson, Ronald J.
Brooke, G., *see*: Meachim, G., Brooke, G. and Pedley, R.B.
Careter, J.M., *see*: Baier, R.E., Meyer, A.E., Akers, C.K., Natiella, J.R., Meenaghan, M. and Careter, J.M.
Cobian, K., *see*: Stokes, K.
Colman, Robert W., *see*: Addonizio, V. Paul and Colman, Robert W.
Cook, Wayne, D.: Dental polyelectrolyte cements. I. Chemistry of the early stages of the setting reaction 232
Cooke, A., *see*: Oliver, R.F., Barker, H., Cooke, A. and Grant, R.A.
Dalla Casa, R., *see*: Krajewski, A., Ravaglioli, A., Fiori, C. and Dalla Casa, R.
Danzo, N., *see*: Ferruti, P., Barbucci, R., Danzo, N., Torrisi, A., Puglisi, O., Oignataro, S. and Spartano, P.
Daurova, T.T., *see*: Gumargalieva, K.Z., Moiseev, Yu.V., Daurova, T.T. and Voronkova, O.S.
de De Micheli, S.M. and Riesgo, O.: Electrochemical study of corrosion in Ni–Cr dental alloys 209
de Groot, K., *see*: Driessen, A.A., Klein, C.P.A.T., and de Groot, K.
Denton, M.J., *see*: Minns, R.J., Denton, M.J., Dunstone, G.H. and Sunter, J.P.
di Benedetto, A., *see*: Aulisa, L., di Benedetto, A., Vinciquerra, A., Lorini, G. and Tranquilli-Leali, P.
Dobbs, H.S.: Characterization of ultra-high molecular weight polyethylene, 49
Dobbs, H.S., *see*: Wright, K.W.J., Dobbs, H.S. and Scales, J.T.
Dodd, A.W., *see* Purnaveja, S., Fletcher, A.M., Ritchie, G.M., Amin, W.M., Moradians, S. and Dodd, A.W.
Doelker, E., *see*: Gurny, R., Doelker, E. and Peppas, N.A.
Donkin, J.E., *see*: Minns, R.J., Muckle, D.S. and Donkin, J.E.
Driessen, A.A., Klein, C.P.A.T. and de Groot, K.: Preparation and some properties of sintered whitlockite, 113
Dunstone, G.H., *see*: Minns, R.J., Denton, M.J., Dunstone, G.H. and Sunter, J.P.
Ellis, Bryan, *see*: Lamb, D.J., Ellis, Bryan and Priestly, David
Ferruti, P., Barbucci, R., Danzo, N., Torrisi, A., Puglishi, O., Pignataro, S. and Spartano, P.: Preparation and ESCA characterization of poly (vinyl chloride) surface-grafted with heparin-complexing poly (amine) chains, 33
Fiori, C., *see*: Krajewski, A., Ravaglioli, A., Fiori, C. and Dalla Casa, R.
Fletcher, A.M., *see*: Purnaveja, S., Fletcher, A.M., Ritchie, G.M., Amin, W.M., Moradians, S. and Dodd, A.W.
Gazicki, M., *see*: Yasuda, H. and Gazicki, M.
Gdoutos, E.E., Raftopoulos, D.D. and Baril, J.D.: A critical review of the biomechanical stress analysis of the human femur, 2
Goldberg, Lise, *see*: White, Rodney A., Shors, Edwin, Miranda, Rodrigo, M., Klein, Stanley R., Goldberg, Lise, Bosco, Philip and Nelson, Ronald J.
Grant, R.A., *see*: Oliver, R.F., Barker, H., Cooke, A. and Grant, R.A.
Greener, E.H., Szurgot, K. and Lautenschlager, E.P.: Tensile creep of dental amalgam, 101
Guha, S.K., *see*: Bala, Kiran, Guha, S.K. and Vasudevan, Padma
Gumargalieva, K.Z., Moiseev, Yu.V., Daurova, T.T. and Boronkova, O.S.: Effect of infections on the degradation of polyethylene terephthalate implants, 177
Gurney, R., Doelker, E. and Peppas, N.A.: Modelling of sustained release of water-soluble drugs from porous hydrophobic polymers, 27
Hambrecht, F.T.: Biomaterials research in neural prostheses, 187
Heller, J., *see*: Pangburn, S.H., Trescony, P.V. and Heller, J.
Inoue, S., *see*: Kataoka, K., Ikano, T., Sakurai, Y., Nishimura, T., Maeda, M., Inoue, S. and Tsuruta, T.
Jansons, H.A.: Artificial bioconstructions as behavioural systems, 52
Josefonvicz, J., *see*: Mauzac, M., Aubert, N. and Josefonvicz, J.
Kaetsu, I., *see*: Yoshida, M., Asano, M., Kaetsu, I., Nakai, K., Yamanaka, H., Suzuki, T., Shida, K. and Suzuki, K.
Kataoka, K., Okano, T., Sakurai, Y., Nishimura, T., Maeda, M., Inoue, S. and Tsuruta, T.: Effect of microphase separated structure of polystyrene/polyamine graft copolymer on adhering rat platelets in vitro 237
Klein, C.P.A.T., *see*: Driessen, A.A., Klein, C.P.A.T. and de Groot, K.
Klein, Stanley, R., *see*: White, Rodney A., Shors, Edwin, Miranda, Rodrigo M., Klein, Stanley R., Goldberg, Lise, Bosco, Philip and Nelson, Ronald J.
Kopecek, Jindrich, *see*: Ulbrich, Karel, Strohalm, Jiri and Kopecek, Jindrich
Krajewski, A., Ravaglioli, A., Fiori, C. and Dalla Casa, R.: The processing of hydroxyapatite-based rolled sections, 117
Kuhn, A.T., Dissolution rates of silicate cements, 136
Lamb, D.J., Ellis, Bryan and Priestly, David: Loss into water of residual monomer from autopolymerizing dental acrylic

resin, 155
Lautenschlager, E.P., *see*: Greener, E.H., Szurgot, K. and Lautenschlager, E.P.
Lewis, T.T., *see*: Adhma, R., Bates, J.F. and Lewis, T.T.
Lorini, G., *see*: Aulisa, L., di Benedetto, A., Vinciquerra, A., Lorini, G. and Tranquilli-Leali, P.
Maeda, M., *see*: Kataoka, K., Ikano, T., Sakurai, Y., Nishimura, T., Maeda, M., Inoue, S. and Tsuruta, T.
Martin, T.R.P., *see*: van Noort, R., Yates, S.P., Martin, T.R.P., Barker, A.T. and Black, M.M.
Mauzac, M., Aubert, N. and Josefonvicz, J.: Antithrombic activity of some polysaccharide resins 221
McKee, G.K.: Total hip replacement — past, present and future, 130
McNamara, A. and Williams, D.F.: Scanning electron microscopy of the metal-tissue interface. I. Fixation methods and interpretation of results, 160
McNamara, A. and Williams, D.F.: Scanning electron microscopy of the metal-tissue interface. II. Observations with lead, copper, nickel, aluminium and cobalt, 165
Meachim, G., Brooke, G. and Pedley, R.B.: The tissue response to acrylic particles implanted in animal muscle 213
Meenaghan, M., *see* Baier, R.E., Meyer, A.E., Akers, C.K., Natiella, J.R., Meenaghan, M. and Careter, J.M.
Meyer, A.E., *see*: Baier, R.E., Meyer, A.E., Akers, C.K., Natiella, J.R., Meenaghan, M. and Careter, J.M.
Minns, R.J., Denton, M.J., Dunstone, G.H. and Sunter, J.P.: An experimental study of the use of a carbon fibre patch as a hernia prosthesis material 199
Minns, R.J., Muckle, D.S. and Donkin, J.E.: The repair of osteochondral defects in osteoarthritic rabbit knees by the use of carbon fibre, 81
Miranda, Rodrigo, M., *see*: White, Rodney, A., Shors, Edwin, Miranda, Rodrigo, M., Klein, Stanley R., Goldberg, Lise, Bosco, Philip and Nelson, Ronald, J.
Moiseev, Yu.V., *see*: Gumargalieva, K.Z., Moiseev, Yu.V., Daurova, T.T. and Voronkova, O.S.
Moradians, S., *see*: Purnaveja, S., Fletcher, A.M., Ritchie, G.M., Amin, W.M., Moradians, S. and Dodd, A.W.
Morimoto, Y., *see*: Sugibayashi, K., Okumura, M. and Morimoto, Y.
Muckle, D.S., *see*: Minns, R.J., Muckle, D.S. and Donkin, J.E.
Nakai, K., *see*: Yoshida, M., Asano, M., Kaetsu, I., Nakai, K., Yamanaka, H., Suzuki, T., Shida, K. and Suzuki, K.
Natiella, J.R., *see*: Baier, R.E., Meyer, A.E., Akers, C.K., Natiella, J.R., Meenaghan, M. and Careter, J.M.
Neenan, Thomas X. and Allcock, Harry, R.: Synthesis of a heparinized poly(organophosphazene), 78
Nelson, Ronald J., *see*: White, Rodney, A., Shors, Edwin, Miranda, Rodrigo, M., Klein, Stanley R., Goldberg, Lise, Bosco, Philip and Nelson, Ronald J.
Nishimura, T., *see* Kataoka, K., Okano, T., Sakurai, Y., Nishimura, T., Maeda, M., Inoue, S. and Tsuruta, T.
Okano, T., *see*: Kataoka, K., Okano, T., Sakurai, Y., Nishimura, T., Maeda, M., Inoue, S. and Tsuruta, T.
Okumura, M., *see*: Sugibayashi, K., Okumura, M. and Morimoto, Y.
Oliver, R.F., Barker, H., Cooke, A. and Grant, R.A.: Dermal collagen implants, 38
Pal, Subrate and Saha, Substrata: Stress relaxation and creep behaviour of normal and carbon fibre acrylic bone cement, 93
Pangburn, S.H., Trescony, P.V. and Heller, J.: Lysozyme degradation of partially deacetylated chitin, its films and hydrogels, 105
Pedley, R.B., *see* Meachim, G., Brooke, G. and Pedley, R.B.
Peppas, N.A., *see*: Gurny, R., Doelker, E. and Peppas, N.A.
Pignataro, S., *see*: Ferruti, P., Barbucci, R., Danzo, N., Torrisi, A., Puglisi, O., Pignataro, S. and Spartano, P.
Priestly, David, *see*: Lamb, D.J., Ellis, Bryan and Priestly, David
Puglisi, O., *see*: Ferruti, P., Barbucci, R., Danzo, N., Torrisi, A., Puglisi, O., Pignataro, S. and Spartano, P.
Purnaveja, S., Fletcher, A.M., Ritchie, G.M., Amin, W.M., Moradians, S. and Dodd, A.W.: Compatibility of denture cleansers with some new self curing denture base materials, 249
Purnaveja, S., Fletcher, A.M., Ritchie, G.M., Amin, W.M., Moradians, S. and Dodd, A.W.: Colour stability of two self curing denture base materials, 251
Raftopoulos, D.D., *see*: Gdoutos, E.E., Raftopoulos, D.D. and Baril, J.D.
Ravaglioli, A., *see*: Krajewski, A., Ravaglioli, A., Fiori, C. and Dalla Casa, R.
Ray, Alok, R., *see*: Singh, Maninder, Ray, Alok R., and Vasudevan, Padma
Riesgo, O., *see*: de De Micheli, S.M.
Ritchie, G.M., *see*: Purnaveja, S., Fletcher, A.M., Ritchie, G.M., Amin, W.M., Moradians, S. and Dodd, A.W.
Saha, Subrata, *see*: Pal, Subrate and Saha, Subrata
Sakurai, Y., *see*: Kataoka, K., Okano, T., Sakurai, Y., Nishimura, T., Maeda, M., Inoue, S. and Tsuruta, T.
Scales, J.T., *see*: Wright, K.W.J., Dobbs, H.S. and Scales, J.T.
Schott, H.: Solubility parameter, specific molar cohesion and the solubility of ethylene oxide in polymers 195
Sharma, Rakesh, and Vasudevan, Padma: Biocompatibility screening of poly(vinyl chloride) implants, 109
Shida, K., *see* Yoshida, M., Asano, M., Kaetsu, I., Nakai, K., Yamanaka, H., Suzuki, T., Shida, K. and Suzuki, K.
Shors, Edwin, *see*: White, Rodney A., Shors, Edwin, Miranda, Rodrigo, M., Klein, Stanley, R., Goldberg, Lise, Bosco, Philip and Nelson, Ronald J.
Singh, Maninder, Ray, Alok R and Vasudevan, Padma: Biodegradation studies on periodate oxidized cellulose, 16
Spartano, P., *see*: Ferruti, P., Barbucci, R., Danzo, N., Torrisi, A., Puglisi, O., Pignataro, S. and Spartano, P.
Stokes, K. and Cobian, K.: Polyether polyurethanes for implantable pacemaker leads 225
Strohalm, Jiri, *see*: Ulbrich, Karel, Strohalm, Jiri, and Kopecek, Jindrich
Sugibayashi, K., Okumura, M. and Morimoto, Y.: Biomedical applications of magnetic fluids. III. Antitumour effect of magnetic albumin microsphere-entrapped adiramycin on lung metastasis of AH 7974 in rats, 181
Sunter, J.P., *see*: Minns, R.J., Denton, M.J., Dunstone, G.H. and Sunter, J.P.
Suzuki, K., *see*: Yoshida, M., Asano, M., Kaetsu, I., Nakai, K., Yamanaka, H., Suzuki, T., Shida, K. and Suzuki, K.
Suzuki, T., *see*: Yoshida, M., Asano, M., Kaetsu, I., Nakai, K., Yamanaka, H., Suzuki, T., Shida, K. and Suzuki, K.
Szurgot, K., *see*: Greener, E.H., Szurgot, K. and Lautenschlager, E.P.
Torrisi, A., *see*: Ferruti, P., Barbucci, R., Danzo, N., Torrisi, A., Puglisi, O., Pignataro, S. and Spartano, P.
Tranquilli-Leali, P., *see*: Aulisa, L., di Benedetto, A., Vinciquerra, A., Lorini, G. and Tranquilli-Leali, P.
Trescony, P.V., *see*: Pangburn, S.H., Trescony, P.V. and Heller, J.
Tsuruta, T., *see*: Kataoka, K., Okano, T., Sakurai, Y., Nishimura, T., Maeda, M., Inoue, S. and Tsuruta, T.
Ulbrich, Karel, Strohalm, Jiri, and Kopecek, Jindrich: Polymers containing enzymatically degradable bonds. VI. Hydrophilic gels cleavable by chymotrypsin, 150
van Noort, R., Yates, S.P., Martin, T.R.P., Barker, A.T. and Black, M.M.: A study of the effects of glutaraldehyde and formaldehyde on the mechanical behaviours of bovine pericardium, 21
Vasudevan, Padma, *see*: Singh, Maninder, Ray, Alok R. and Vasudevan, Padma
Vasudevan, Padma, *ee*: Bala, Kiran, Guha, S.K. and Vasudevan, Padma
Vasudevan, Padma, *see*: Sharma, Rakesh and Vasudevan, Padma
Vinciquerra, A., *see*: Aulisa, L., di Benedetto, A., Vinciquerra, A., Lorini, G. and Tranquilli-Leali, P.
Vononkova, O.S., *see*: Gumargalieva, K.Z., Moiseev, Yu.V., Daurova, T.T. and Voronkova, O.S.
White, Rodney, A., Shors, Edwin, Miranda, Rodrigo, M., Klein, Stanley R., Goldberg, Lise, Bosco, Philip and Nelson, Ronald J.: Microporous flow surface variation and short term thrombogenicity in dogs, 145
Williams, D.F., *see*: McNamara, A. and Williams, D.F.
Wright, K.W.J., Dobbs, H.S. and Scales, J.T.: Wear studies on prosthetic materials using the pin-on-disc machine, 41
Yamanaka, H., *see*: Yoshida, M., Asano, M., Kaetsu, I., Nakai, K., Yamanaka, H., Suzuki, T., Shida, K. and Suzuki, K.
Yasuda, H. and Gazicki, M.: Biomedical applications of plasma treatment of polymer surfaces, 68
Yates, S.P., *see*: van Noort, R., Yates, S.P., Martin, T.R.P., Barker, A.T. and Black, M.M.
Yoshida, M., Asano, M., Kaetsu, I., Nakai, K., Yamanaka, H., Suzuki, T., Shida, K. and Suzuki, K.: In vivo release of testosterone from protein-vinyl polymer composites 204